

**MOUND SITE SOURCE REMOVAL
BACKFILL OF CSFS HOT SPOT CONTAINING DRUMS**

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COPY # 35

Activity Hazard Analysis

9-2-97

Activity	Hazard	Preventative Measures
All site activities	General work hazards	All personnel will wear steel toed shoes, safety glasses with side shields, hard hats, reflective vests, and hearing protection as applicable in the support zone.
	Heat stress	Heat stress monitoring will be conducted in regards to work load and PPE worn.
	Cold stress	Cold stress monitoring will be conducted. Proper clothing will be available to all personnel and administrative controls will be adhered to.
	Noise	Noise monitoring will be conducted. Where necessary personnel will wear hearing protection. In addition, all personnel will participate in the RFETS Hearing Conservation Program if necessary.
Traversing the site	Slip, trips, falls	Care will be taken when traversing the site especially when wearing PPE and carrying equipment. All trip hazards will be immediately removed or marked when identified.
Lifting equipment and materials	Back injury	Proper lifting techniques will be used and heavy equipment, where feasible, will be utilized to move heavy loads.
Handling equipment and materials	Pinch points and sharp edges	Care will be taken when pinch points and sharp edges exist and heavy duty leather work gloves will be worn.

Activity	Hazard	Preventative Measures
Using hand tools	Hand tools in unsafe operating condition	Hand tools will be inspected by the user prior to each use.
	Improper use of hand tools	Hand tools will be utilized for their intended use and operated in accordance with HSP-12.10. Guards will be in place and no modifications will be made.
	Electrical shock	Portable power tools will be plugged into a GFCI protected outlet and will be UL listed and double insulated. Cords will be inspected by the user and protected from unnecessary damage. Any tool whose cord shows signs of damage or deterioration will be immediately removed from service.
Use of generators	Electrical shock	Extension cords will be intended for outdoor use, inspected by the user, and protected from unnecessary damage. Any extension cords which show signs of damage or deterioration will be immediately removed from service.
	Electrical shock	Cords will be plugged into a GFCI protected outlet and the generator will be properly grounded. The GFCI will be tested by the user daily prior to the beginning of each shift.
	Fire	At a minimum, a 10 lb. ABC fire extinguisher will be located in the work area and next to the generator. All refueling will be conducted at the beginning of the shift when the generators are cool.
	Use of gasoline	Follow recommendations on MSDS (see Appendix C).

Activity	Hazard	Preventative Measures
Front end loader operation	Front end loader in poor operating condition	The front end loader will be inspected prior to entering RFETS. The operator will inspect and document the front end loader prior to the beginning of each shift.
	Improper operation of the front end loader	Operators will be properly trained in the use and limitations of the front end loader.
	Ground personnel being struck with front end loader or falling loads	Ground personnel will wear orange vests, stay at least 20' away from the front end loader, and maintain line of sight with the operator.
	Other equipment being struck with front end loader	Front end loader operations will be conducted in a deliberate safe manner. A spotter will be required when backing the front end loader.
Use of Level C respiratory protection, if required	Physical fatigue	Medical approval will be required for personnel.
	Improper face to facepiece seal	Respirator specific fit test approval will be required for personnel.
	Improper inspection or use of respirator	Personnel will be trained in the inspection, use, and limitations of the specific respirator worn.
Opening plastic bags and dumping soil	Dust generation	Bags will be carefully opened and a hand sprayer will be used to control potential dust. A high volume radiological air sample will be obtained in the work area.
	Potential radiological contamination	Personnel will wear Tyvek®, inner surgeon and outer nitrile gloves, and rubber booties. Items which have contacted soil, such as PPE and plastic bags, will be surveyed prior to free release from the site.
Moving drums of soil by hand	Dropping or tipping of drums. Back injury	Proper drums moving techniques will be used by personnel. When possible, the front end loader will be used to move drums.

Approved:

Signature

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